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APPLICATION NO. FILI		ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/705,223 11/12/2003		11/12/2003	Yasuo Segawa	492322014700	3537	
25227	7590	06/30/2004		EXAMINER		
		ERSTER LLP	QUINTO, KEVIN V			
1650 TYSC SUITE 300		EVARD	ART UNIT	PAPER NUMBER		
MCLEAN.	VA 2210)2	2826			

DATE MAILED: 06/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO 90C (Rev 10/03)

		Application No.	App	olicant(s)			
		10/705,223	SEC	GAWA ET AL.			
	Office Action Summary	Examiner	Art	Unit			
		Kevin Quinto	282	6			
Period fo	The MAILING DATE of this communication or Reply	app ars on the cover	sheet with the corres	pondence address			
A SH THE - Exte after - If th - If NG - Failt Any	IORTENED STATUTORY PERIOD FOR RE MAILING DATE OF THIS COMMUNICATIO ensions of time may be available under the provisions of 37 CFF SIX (6) MONTHS from the mailing date of this communication. The period for reply specified above is less than thirty (30) days, a poperiod for reply is specified above, the maximum statutory per ure to reply within the set or extended period for reply will, by stareply received by the Office later than three months after the miled patent term adjustment. See 37 CFR 1.704(b).	N. 2 1.136(a). In no event, howe reply within the statutory mini iod will apply and will expire S atute, cause the application to	ver, may a reply be timely file mum of thirty (30) days will b SIX (6) MONTHS from the ma become ABANDONED (35 b	ed e considered timely. siling date of this communication. U.S.C. § 133).			
Status							
1)[🛛	Responsive to communication(s) filed on 20	6 April 2004.					
2a) <u></u> ☐	This action is FINAL . 2b) 🖂 T	his action is non-fina	ıl.				
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
5)⊠ 6)⊠ 7)⊠	Claim(s) 1-11 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) 8-11 is/are allowed. Claim(s) 1-6_ is/are rejected. Claim(s) 7 is/are objected to. Claim(s) are subject to restriction and/or election requirement.						
Applicat	ion Papers						
10)□	The specification is objected to by the Example The drawing(s) filed on is/are: a) and a Applicant may not request that any objection to the Replacement drawing sheet(s) including the contraction of the oath or declaration is objected to by the	accepted or b) objection of the drawing(s) be held rection is required if the	n abeyance. See 37 Ce drawing(s) is objected	CFR 1.85(a). I to. See 37 CFR 1.121(d).			
Priority (under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
2) D Notic 3) D Infor	t(s) ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/ or No(s)/Mail Date	08) 5) <u> </u>	nterview Summary (PTO- Paper No(s)/Mail Date. Notice of Informal Patent / Other:	·			

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DETAILED ACTION

Specification

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Libsch et al. (USPN 6,181,398 B1).
- 4. In reference to claims 1 and 6, Libsch et al. (USPN 6,181,398 B1, hereinafter referred to as the "Libsch" reference) discloses a similar device. Figures 4 and 6a illustrate an n-channel thin film transistor formed on a substrate. Figures 4 and 6a also show a storage capacitor disposed adjacent the thin film transistor and keeping a voltage supplied through the thin film transistor. A first semiconductor portion (RX, left side) makes a first capacitance coupling with a gate electrode of the thin film transistor. A second semiconductor portion (P1) makes a second capacitance coupling with a storage capacitor electrode (RX, right side). The second semiconductor portion (P1) is not in physical contact with the first semiconductor portion (RX, left side). A wiring (M1)

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connects the first semiconductor portion (RX, left side) to the second semiconductor portion (P1).

- 5. With regard to claim 2, the metal wiring (M1) is connected to a pixel electrode (M2).
- 6. In reference to claim 3, figure 4 shows that the storage capacitor electrode (RX, bottom) is parallel to the gate electrode (P1, top).
- 7. With regard to claim 4, figure 4 shows that the first semiconductor portion (RX, top) is bent so that the first semiconductor portion (RX, top) intersects a gate line (P1, top) that comprises a gate electrode (P1, top).
- 8. In reference to claim 5, figure 4 shows that the bending of the first semiconductor portion (RX, top) is symmetrical with respect to a center line that is normal to the gate line.

Allowable Subject Matter

- 9. Claims 8-11 are allowed.
- 10. Claim 7 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 11. The following is a statement of reasons for the indication of allowable subject matter: the examiner is unaware of any prior art which suggests a semiconductor device with a thin film transistor and a capacitor constructed such that that the thin film transistor and the capacitor each have a component made of semiconductor film, these

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films being two spaced apart bodies, formed directly on the surface of the substrate such that these films are electrically coupled together by a metal wiring.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Quinto whose telephone number is (571) 272-1920. The examiner can normally be reached on M-F 8AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272-1915. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KVQ

Minhloan Tran
Primary Examiner
Art Unit 2826

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